

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-8 (canceled)

Claim 9 (currently amended). A method for transmitting data packets between a first communications network node and a second communications network node of an communications optical network, comprising:

reserving a data channel; for transmitting a first data burst having aggregated data packets ~~on-the-data-channel~~;

transmitting the first data burst via the data channel;

retaining the data channel for a consecutive transmission phase after transmitting the first data burst;

transmitting additional non aggregated data packets on-the-fly between the nodes during the consecutive transmission phase; and

terminating the connection while data packets are transmitted on-the-fly ~~only when the data channel is at least partially required for transmitting a second data burst via another connection between further communication network nodes between a third communications network node and a fourth communications network node of new connection.~~

Claim 10 (previously presented). The method according to claim 9, wherein a request to reserve transmission capacity for the new connection is sent by a reservation-requiring network node via switching devices of the network to an end node, wherein the third node is the reservation- requiring network node, and wherein the fourth node is the end node.

Claim 11 (previously presented). The method according to claim 10, wherein transmission capacity for the new connection is only reserved during the consecutive transmission phase.

Claim 12 (previously presented). The method according to claim 10, wherein a disconnect signal is transmitted via the switching devices present in the devices present in the first connection to the first node.

Claim 13 (currently amended). The method according to claim 4–10, wherein a disconnect signal is transmitted via the switching devices present in the devices present in the first connection to the first node.

Claim 14 (previously presented). The method according to claim 10, wherein transmission capacity is reserved according to a two-way reservation optical burst switching principle via a request and an acknowledgement.

Claim 15 (previously presented). The method according to claim 14, wherein the transmission capacity is reserved for bidirectional connections.

Claim 16 (previously presented). The method according to claim 15, wherein to reserve the transmission capacity, the disconnect signal is sent to the first and second nodes.

Claim 17 (previously presented). The method according to claim 16, wherein a disconnect signal is only sent when an acknowledgement is issued by the end node receiving the request to reserve the transmission capacity.

Claim 18 (previously presented). The method according to claim 12, wherein a disconnect signal is only sent when an acknowledgement is issued by the end node receiving a request to reserve the transmission capacity.